

1.	Parameter	[1]												
2.	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 50%;">Pseudocode description</th> <th style="text-align: center; width: 50%;">Pseudocode statement</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">a loop that will always iterate at least once</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">FOR...TO...NEXT</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">a conditional statement to deal with many possible outcomes</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">IF...THEN...ELSE...ENDIF</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">a loop that will always iterate a set number of times</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">WHILE...DO...ENDWHILE</td> </tr> <tr> <td style="border: 1px solid black; padding: 5px; text-align: center;">a conditional statement with different outcomes for true and false</td> <td style="border: 1px solid black; padding: 5px; text-align: center;">CASE...OF...OTHERWISE...ENDCASE</td> </tr> <tr> <td></td> <td style="border: 1px solid black; padding: 5px; text-align: center;">REPEAT...UNTIL</td> </tr> </tbody> </table>	Pseudocode description	Pseudocode statement	a loop that will always iterate at least once	FOR...TO...NEXT	a conditional statement to deal with many possible outcomes	IF...THEN...ELSE...ENDIF	a loop that will always iterate a set number of times	WHILE...DO...ENDWHILE	a conditional statement with different outcomes for true and false	CASE...OF...OTHERWISE...ENDCASE		REPEAT...UNTIL	[4]
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3.	<p>a) One mark for each correct line.</p> <pre> DECLARE X : STRING DECLARE Y : INTEGER DECLARE Z : INTEGER.                     </pre>	[3]												
4.	<p>One mark per bullet point</p> <p>37</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Data type name</td> <td>Integer</td> </tr> <tr> <td>Data type description</td> <td>(Any) whole number</td> </tr> </table> <p>Cambridge2021</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Data type name</td> <td>String</td> </tr> <tr> <td>Data type description</td> <td>A group of characters/text</td> </tr> </table> <p>47.86</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Data type name</td> <td>Real</td> </tr> <tr> <td>Data type description</td> <td>(Any real) number that could be a whole number or a fraction</td> </tr> </table>	Data type name	Integer	Data type description	(Any) whole number	Data type name	String	Data type description	A group of characters/text	Data type name	Real	Data type description	(Any real) number that could be a whole number or a fraction	[6]
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5.	<p>i) Many correct answers. They must be meaningful and related to Task 1. The names are examples only.</p> <p>One mark per mark point</p>													

- Constant MaxCandidates
- Value 4
- Use The value of the maximum number of candidates for the election [3]

ii) Many correct answers. They must be meaningful and related to Task 1. The names are examples only.

One mark per mark point

- Variable NumberCandidates
- Use Storing the number of candidates in the election (for a tutor group) [2]

6. **One mark for any two correct lines**

```
DECLARE P : STRING
P ← "The world"
DECLARE Q : CHAR
Q ← 'W'
```

**One mark for each point (max four)**

- converting P to upper case
- finding the length of P
- using a loop to check for position of Q
- using the string operation substring
- storing the loop counter in Position if the value is found

**For example:**

```
P ← UCASE(P)
Counter ← 1
Position ← 0
REPEAT
    IF SUBSTRING(P, Counter, 1) = Q
        THEN
            Position ← Counter
        ENDIF
    Counter ← Counter + 1
UNTIL Position <> 0 OR Counter = LENGTH(P)
```

[4]